

AMENDMENTS TO THE CLAIMS:

This listing of the pending claims will replace all prior versions and listings of claims in this application:

1. (Currently Amended) A printhead comprising:

a housing having an array of nozzles; ~~and~~
~~said housing including a printhead memory disposed on or within said housing; and~~
~~containing data pertaining to said nozzles of said array~~
data stored in said printhead memory, said data including a location of at least one
missing or malfunctioning nozzle of said array of nozzles.

2-3. (Cancelled).

4. (Original) The printhead of claim 1 wherein said printhead is adapted to be installed into a printer having firmware capable of reading said data from said printhead memory.

5. (Original) The printhead of claim 4 wherein said printer is adapted to use said data to format print jobs.

6. (Currently Amended) A method of making a printhead comprising the steps of:

providing a printhead having a housing including an array of nozzles and a printhead memory; and
storing data ~~pertaining to said nozzles of said array~~ in said printhead memory, said data including a location of at least one missing or malfunctioning nozzle of said array of nozzles.

7-9. (Cancelled).

10. (Currently Amended) The method of claim 9 6 further comprising the step of installing said printhead into a printer having firmware capable of reading said printhead memory.

11. (Currently Amended) The method of claim 10 wherein said firmware reads said printhead memory and a formatter formats a print job based on said data ~~pertaining to said nozzles~~.

12. (Currently Amended) The method of claim 11 wherein ~~said data pertaining to said nozzles includes a location of at least one missing or malfunctioning nozzle~~ and said printer compensates for said at least one missing or malfunctioning nozzle by shingling.

13. (Currently Amended) The method of claim 9 ~~6~~ wherein said storing step includes ~~storing a location of missing or malfunctioning nozzles using an operator~~ performing a standard functional test.

14. (Currently Amended) The method of claim 9 ~~6~~ wherein said storing step includes ~~storing a location of missing or malfunctioning nozzles using~~ initiating an automated detection system.

15. (Currently Amended) A printhead comprising:

a housing having an array of nozzles;

~~said housing including~~ a printhead memory disposed on or within said housing containing data pertaining to at least a location and status of at least one missing or malfunctioning nozzle of said array; and

data stored in said printhead memory, said data including a status of at least one nozzle of said array of nozzles.

wherein said printhead is adapted to be installed into a printer having firmware capable of reading said data from said printhead memory and passing said data to a formatter for formatting print jobs according to said data.